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| Weekly Project Report | | | |
| Project Title: | DNA Sequence Comparison Project | | |
| Developer: | Blaze Milner | | |
| Date: | 2/01/2019 | | |
| Period Covering: | 1/23/19 | To | 1/30/19 |
| Progress Highlights | | | |
| I successfully install the biopython package and read through the tutorial found on their website regarding NCBI and the BLAST database. My program is able to receive a DNA sequence from the user, of any length, to compare against the sequence in the BLAST database. The program also allows the user to split the sequence based on a value of their choice. I met with Dr. de Banzie who was pleased with my results and offered feedback in regard to the splitting of the DNA sequence. It was discovered that NCBI does not display the desired values he is needing from the matched sequences so other methods will have to be used in order to get the values. On 1/29 I received an email from Dr. de Banzie stating he had found something useful and not to work on the project until our next meeting on 2/6. | | | |
| Dates of Specific Progress | | | |
| Date: | Progress: | | |
| 1/23 | Program was able to communicate with BLAST database and receive a response. The titles of matched DNA sequence was able to be printed to the console. | | |
| 1/25 | Modified the program to split the sequence based on a value entered by the end user. | | |
| 1/26 | The program was altered to compare the split sequence with those in the BLAST database. The split sequence was stored in a list and a for loop was used to cycle through the entire length. | | |
| 1/29 | I received an email from Dr. de Banzie stating not to work on the project, therefore, all progress has been stopped until 2/6 | | |
| Activities to be Started Next Week | | | |
| Pending until meeting with Dr. de Banzie. | | | |